

netsens



WiSense

Netsens remote irrigation monitoring systems

Smart solutions for water management

The key to smart water management

Netsens manufactures and markets end-to-end system for **water management** in agriculture.

Products range from simple handsets to automated state-of-the-art irrigation control systems and fulfil the most severe requirements for agricultural applications like, open field, tree crops, nurseries and potted plants.

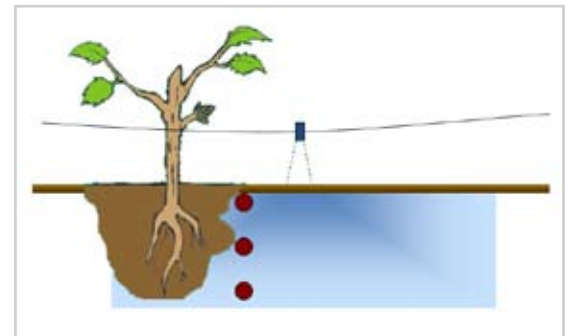
Reducing cost and improving quality

Controlling soil moisture in the ground yields:

- 1) **Reduction of irrigation cost** (water, power) and maintenance cost
- 2) **Uniform** yield of crops
- 3) Better **quality** to your products

How it works

TerraSense Soil sensors are buried at **different depths**, depending on the type of crop and irrigation plant.



TerraSense sensors can be connected either to the **main station** or to the **wireless units**, for implementing a distributed monitoring system.

Electrovalves located in different sectors are **remotely programmed** via Internet, also using wireless connection.

The irrigation schedules can be automatically modified **according to local climatic conditions** like, soil moisture level, cumulated rain and Evapotranspiration.

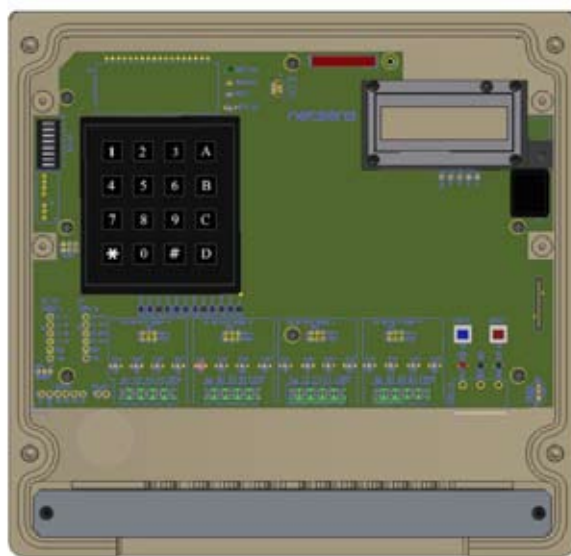


WiSense The scalable solution for water management

WiSense 2.0 irrigation control unit:



Inputs for meters and pressure switches



MeteoSense unit interface for internet remote control, weather sensors, wireless units with soil sensors etc.



Inputs for TerraSense soil moisture sensors



16 control channels (monostable or bistable solenoids, AC or DC); up to 4 channels can be configured for fertigation



Reserved pump control output

Wireless version: flexibility over wide areas

Electrovalves can be **remotely controlled** via dedicated wireless units, owing to the newly developed Netsens' proprietary technology.

Each wireless point can manage up to **two soil moisture** probes and **up to 16 valves**.

The whole system can be remotely managed using the web browser of your PC or smartphone device.



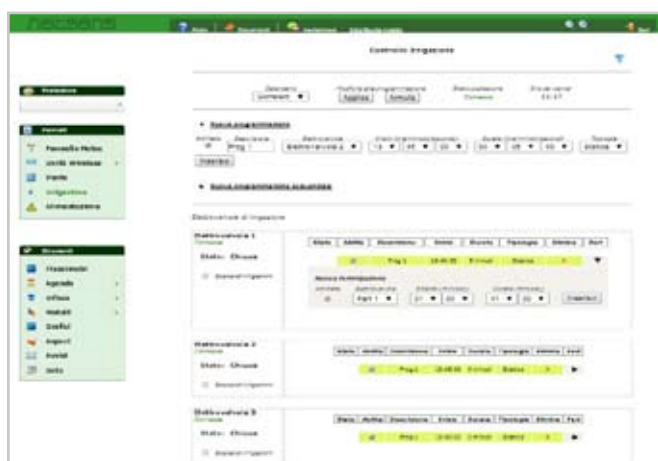
Remote irrigation management in 3 steps

1) Irrigation feedback by soil moisture measurements



Our powerful **LiveData** software enables to clearly verify the **water deficit** of your crop, and the **soil moisture**, even at different depths, in each irrigation plot.

2) Irrigation schedule planning based on sensor threshold



Irrigation schedules for each plot are now **planned** directly via **Internet**.

Automatic adjustment of irrigation scheduling can be set according to the following:

- cumulated rain
- soil moisture (WVC)
- Evapotranspiration (ET)

3) Enjoy the results while saving money and improving quality

User-friendship, reliability and benefits

are the key of our success.

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Netsens s.r.l.

Via Sandro Pertini 93

50019 Sesto Fiorentino (FI) ITALY

www.netsens.it

